Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/21/2019 09:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125100	0	1.20	125154	1.21
Blue	F	SSC	125000	124655	-1	1.97	125495	2.00
Blue	E	FITC	16694	16375	-2	3.01	380	21.60
Blue	D	PE	32792	32343	-2	1.98	714	15.85
Blue	B	PerCP-Cy5-5	44451	44398	-1	4.07	1220	22.92
Blue	A	PE-Cy7	33645	33222	-2	6.87	600	49.17
Red	C	APC	47008	46973	-1	2.72	1820	13.31
Red	A	APC-Cy7	32298	31910	-2	2.62	800	13.89
Violet	B	V450	8961	8570	-5	4.09	474	14.50
Violet	A	V500	32726	31462	-4	3.75	757	10.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20278	4.85	608	-5	N/A	N/A	Pass
Blue	F	SSC	56373	1.27	578	10	N/A	N/A	Pass
Blue	E	FITC	62	70.60	564	1	0.0156	101	Pass
Blue	D	PE	142	56.18	568	2	0.1376	290	Pass
Blue	B	PerCP-Cy5-5	226	55.97	674	3	0.0073	55	Pass
Blue	A	PE-Cy7	115	123.23	728	2	0.0085	23	Pass
Red	C	APC	417	28.34	611	-2	0.0191	116	Pass
Red	A	APC-Cy7	197	32.23	583	-2	0.0048	1446	Pass
Violet	B	V450	71	68.76	482	-4	0.0415	2087	Pass
Violet	A	V500	108	39.54	492	-4	0.0215	1302	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.28	-32.00	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.91	13.60 - 20.40	N/A	N/A	29.01	29.43	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10011

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments